

ZABLOCKI, B.

Effect of the diffusion factor on the behavior of BCG in the guinea pig. Med.dosw.Mikrob. 2 no.2:226-227 1950. (CMI, 20:6)

1. Summary of the report given at 10th Congress of the Polish Microbiological and Epidemiological Society held in Gdansk, Sept. 1949. (Lodz.)

ZABLOCKI, B.

Effect of the diffusible factor on the behavior of human tuberculosis in the mouse organism. Med.dow.Mikrob. 2 no.2:227-228 1950.

(CML 20:6)

1. Summary of the report given at 10th Congress of the Polish Micrological and Epidemiological Society held in Gdansk, Sept. 1949. (Lodz)

ZABLOCKI, B.

ZABLOCKI B.

Z badan nad czynnikami dyfuzyjnymi (hialuronidaza). O wyplywie
czynnika dyfuzyjnego na zachowanie sie praktycz. gruzylicy typu
ludzkiego w ustroju myszy bialych. [Investigation on diffusion
factor (hyaluronidase); effect of the diffusion factor on the
behavior of tubercle bacilli in the organism of white mice].
Med. dozw. mikrob. 2:3-4 1950 p. 532-9.

1. Of the Institute of Microbiology of Lodz Medical Academy,
CHL Vol. 20, No. 10 Oct 1951

ZABLOCKI, B.

New method of in vitro hyaluronidase determination based on erythrocyte sedimentation rate. Polski tygod. lek. 5 no.14: 521-524 3 Apr. 1950. (CIAX 20:1)

1. Of the Institute of Bacteriology of Lodz University and of the National Institute of Health.

ZABLOCKI, B.

Hemolytic streptococci and rheumatoid arthritis. Polski tygod. lek.
5 no.18:699-704 2 May 1950. (CINL 20:1)

1. Of the Institute of Bacteriology of Lodz University (Head--
Prof. B. Zablocki, M. D.).

ZABLOCKI, B.

Modification of method for indicating the presence of hyaluronidase in vivo. Polski tygod.lek. 5 no.24:922-923 12 June 50.
(OTML 20-5)

1. Of the Institute of Bacteriology of Lodz University and of the National Institute of Hygiene.

ZABLOCKI, B.

New aspect of the mechanism of accelerated erythrocyte sedimentation rate. Polski tygod. lek. 5 no.33-34:1196-1200 21 Aug 50. (CML 20:6)

1. Of the Institute of Bacteriology of Lodz University and of the National Institute of Hygiene.

ZABLOCKI, B.; KOLSUT, H.

Diagnosis of tuberculosis by a rapid biological method with testicular hyaluronidase. Polski tygod. lek. 5 no.35-36:1252-1254.
4 Sept 50. (OIML 20:5)

1. Of the Institute of Bacteriology (Head--Prof.B.Zablocki, M.D.)
of Lodz University and of the Municipal Hospital for Tuberculosis
No. 10 in Lodz (Director--M.Zierski, M.D.).

ZABLOCKI, B.; SZYDLOWSKI, S.

Hyaluronidase in staphylococci. Med. dozw. mikrob., Varso., 4 no.
3:328-329 1952. (CML 23:3)

1. Summary of work progress presented at 11th Congress of Polish
Microbiologists held in Krakow May 1951. 2. Lods.

2651

ZABLOCKI, B.;ROLICKA, M.

Increase of hyaluronidase production by addition of hyaluronidase substrates to culture media of hemolytic *Staphylococcus aureus*.
Med. dosw. mikrob., Warsz. 4 no. 3:329-330 1952. (GML 23:3)

1. Summary of work progress presented at 11th Congress of Polish Microbiologists held in Krakow May 1951. 2. Lodz.

ZABLOCKI, B.

Effect of hyaluronidase on the appearance of resistance in guinea pigs vaccinated with BCG. Gruslica 21 no.4:277-280 Apr 1953. (CLAL 24:5)

1. Head of the Complex of Faculties of Microbiology and Biochemistry of Lodz University.

ZABLOCKI, Bernard; SZYDLOWSKI, Stanislaw; GONZALEZ, Zofia

Viscosity of solutions of hyaluronic acid and accelerating properties in blood sedimentation; standardization of hyaluronic acid for determination of hyaluronidase titer. Med. dosw. mikrob. 6 no.2:151-160 1954.

1. Z Katedry Mikrobiologii Szczegolwej Uniwersytetu Lodzkiego.
(BLOOD SEDIMENTATION,
*relation to viscosity of hyaluronic acid)
(HYALURONIC ACID,
*viscosity, relation to blood sedimentation)

• ZABLOCKI, B.

B. ZABLOCKI, K. KOTELKO, S. SZYDLOSKI: The influence of staphylococcal antihyaluronidase on the course of skin reactions due to *Corynebacterium diphtheriae* in guinea pigs.

SO: Medycyna Doswiadczalna i mikrobiologia (Experimental Medicine and Microbiology)
Fourth quarter 1955.

2 a b loc Ki, Germany

fat-saturation of the hyaluronidase-hyaluronic acid system

It is based on the true or complete disappearance of the blister caused by subcutaneous injection of 0.2 ml of the test solution as compared to the effect of a physical salt solution. A new method of *in vivo* is described based on the property of the suladrate to accelerate the rate of

gravis Testicular I injected subcutaneously with TBG-
small lowered the intensity of patinal ranges, extended
range and brought about quick disappearance of
range. The same effect was observed in the
range of the range. Based on the
data a hypothesis was formulated that the accelerated
of erythrocyte sedimentation in disease is produced by the
increase of the carbohydrate fraction of the blood plasma
protein. The accelerated erythrocyte sedimentation is
which is

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obtained from cultures of pathogenic streptococci to produce L. It was shown to cause penetration of hemolytic streptococci into the tissue of patients with diphtheria.

Zablocki, B.

The influence of lipido-polysaccharide-protein symplexes on the penicillin sensitivity of staphylococci. B. Zablocki and M. Rolicka (Univ. Lodz, Poland). *Bull. Acad. Polon. Sci., Classe II, 3*, 253-4(1953).—Lipido-polysaccharide-protein symplexes were isolated from *Klebsiella coli*, *Shigella sonnei*, *Salmonella schottmulleri* and *Proteus vulgaris* (method of Zablocki and Morawski, *Med. Doświadczalna i Społeczna* 19, No. 3-4(1933)). Concn. of 0.05-0.2% of the symplexes were added to *Micromonas pyogenes* var. *aerius* suspensions and the bacteriostatic dose of penicillin was found. The symplexes imparted to *M. pyogenes* var. *aerius* a marked protective effect against penicillin. The protective property increased as the concn. of the symplex increased. The protective effect was demonstrated for 20 strains of *M. pyogenes* var. *aerius*. The symplex from *E. coli* was twice as effective as that from *S. sonnei*. Symplexes from *S. schottmulleri* and *P. vulgaris* were much less effective. Different strains varied considerably in the degree of resistance against penicillin conferred by the symplexes. Results support the theory of natural refractivity of gram-neg. bacteria to penicillin.

Helen G. Kurits

Zablocki B

The effect of staphylococcal antihyaluronidase on skin reactions elicited in guinea pigs by diphtheria bacilli. B. Zablocki, K. Kotelko, and S. Szulc (Univ. Lodz, Poland). Bull. Acad. Polon. Sci., Classe II, 3, 237-40 (1956). Fifty-one strains (group and mitis types) of *Corynebacterium diphtheriae* freshly isolated from patients' throats were used for intracutaneous injection into 250 g guinea pigs. Each pig received 3 injections: (1) diphtheria bacillus suspension and physiol. saline; (2) diphtheria bacillus suspension; antidiphtheritic antitoxic bacillus serum; and (3) diphtheria bacillus suspension, antitoxic serum, staphylococcal antihyaluronidase, and physiol. saline. Staphylococcal hyaluronidase was obtained from a filtrate of hemolytic *Staphylococcus pyogenes* var. *aureus* by pigs with active and desiccating in culture. Staphylococcal antihyaluronidase was obtained by injection of rabbits (immunized for 12 weeks) at 3-day intervals with staphylococcal hyaluronidase soln. With 43 out of 51 strains the antihyaluronidase caused decrease in the intensity of edema and extent of the necrotic area. In 37% of the strains skin reaction symptoms were completely suppressed in the presence of antihyaluronidase. Abstr. of antihyaluronidase synthesis during fermentation accepted. H. O. K.

ZABLOCKI, B.

POLAND/Microbiology - Microorganisms Pathogenic to Humans
and Animals.

F-4

Abs Jour : Ref Zhur - Biol., No 10, 1958, 43327

Author : Zablocki, B., Kotelko, K., Goscicki, J.

Inst * :

Title : New Chemical Complexes Isolated From Hemolytic Streptococci, Group A, and Their Study. Report 1. Isolation of New Chemical Complexes from Streptococci, Group A.

Orig Pub : Arch. immunol. i terap. diswiadc., 1955, 3, 567-575.

Abstract : Gentle methods of treatment were used to rupture the streptococcus cell: extraction by distilled water and fractional precipitation by alcohol at 0°. With this treatment new complexes were obtained from hemolytic streptococci, group A, complexes 1, 2, 3, a₁, b, b₁ and b₂, the physical properties of which were ascertained. The complexes isolated differ from previously known cellular and soluble antigens of group A streptococci.

Card 1/1 * ZAKLAD MIKROBIOLOGII SZCZEGOLOWEJ UNIWERSYTETU LODZKIEGO.

(KIEROWNIK : PROF. DR. B. ZABLOCKI).

ZABLOCKI, Bernard; KOTELKO, Krystyna; GOSCICKI, Janusz

Studies on new chemical simplexes in Streptococcus A. II.
Antigenic properties of simplexes isolated from Streptococcus
A. Arch. immun. ter. doz. 3:577-583 1955.

1. Zaklad Mikrobiologii Szczegolowej Uniwersytetu Lodzkiego
(Kierownik: prof. dr. B. Zablocki).

(STREPTOCOCCUS, immunology,

antigenic simplexes in hemolytic strains A, properties
(Pol))

ZABLOCKI, B.

Met

718. Influence of lipoteichoic acid-protein complex on the susceptibility of staphylococci to penicillin. B. Zablocki and M. Holicki. *Acta microbiol. polon.* 1953, 9, 167-175 (Z. Zaklady Mikrobiologii Saccharowej, Uniwersytetu Lodzkiego w Lodzi). -- The lipoteichoic acid-protein complexes isolated from 4 species of Gram-negative bacteria influenced in varying degrees the sensitivity to penicillin of 20 tested strains of *Staphylococcus aureus*. In the presence of the complexes tested strains were distinctly less sensitive. The most marked action was obtained with complexes from *Escherichia coli* and *Shigella sonnei*. The protective influences of the complexes was proportional to their concentration. The protective value of complexes from *Salmonella paratyphi* B and *Proteus vulgaris* was rather small. It is suggested that the insusceptibility of Gram-negative bacteria is possibly connected with the presence in their cells of the lipoteichoic acid-protein complexes. (In Polish with English and Russian summaries.) E. VINNY.

2

ZABLOCKI, B.

EXCERPTA MEDICA Soc. 4 Vol. 9/8 Microbiology, etc. Aug 56

1648 ZABLOCKI B., KOTELKO K. and SZYDLOWSKI S. *Kat. Mikrobiol.*
niższej części 1955, 7: 353-360
na przebieg ogólny skórnych zjawisk u świńek morskich przy ma-
zostawie błonicy. The effect of Staphylococcus antihyalu-
ronidase on skin reactions elicited in guinea-pigs by
diphtheria bacilli MED. DOKW. MIKROBIOL. 1955, 7: 353-360
 Tables 1

A study has been made of the influence of staphylococcal antihyaluronidase on the
 course of skin reactions in guinea-pigs due to *Corynebacterium diphtheriae* strains
 isolated from diphtheria cases including 51 experiments. It was found that: (1)
 antihyaluronidase reduced the symptoms of a skin reaction much more so than
 antitoxic serum, (2) antihyaluronidase showed an antioedematogenic and anti-
 erythematic action, (3) the positive influence of antihyaluronidase involved 80% of
Corynebacterium diphtheriae strains tested, (4) skin reaction symptoms were
 absent in 35% of the strains. The mechanism of action of antihyaluronidase is in-
 known. It is suggested that staphylococcal antihyaluronidase be added to diphtheria
 antitoxin in order to increase its therapeutic value (especially in diphtheria cases
 by nonoedematous strains). Zablocki - 1955

ZABLOCKI, Bernard

Classification of communicable diseases. *Frzegl.epidem.Narz.*

9 no.2:149-152 1955.

(COMMUNICABLE DISEASES,
Classif.)

ZABLOCKI, Bernard

Biochemistry of toxins produced by Gram-positive coccobacteria.
Postepy hig.med.dosw. 9 no.4:421-460 1955.

1. Zaklad Mikrobiologii Uniwersytetu Lodzkiego Lodz, ul. Nowetki
18.

(MICROCOCCUS PYOGENES,
toxins, review)

(STREPTOCOCCUS,
toxins, review)

(DIPLOCOCCUS PNEUMONIAE,
toxins, review)

ZABLOCKI, BRONISLAW

ZABLOCKI, Bronislaw.

Role and significance of Streptococci in rheumatic diseases.
Polskie arch.med.wewn. 25 no.4:865-882 1955.

1. Z Zakladu Mikrobiologii Szczegolowej U.L. w Lodzi. Kierownik:
prof. dr B. Zablocki. Lodz.ul. Kosciuszki, 52 m. 8.
(RHEUMATISM, bacteriology,
Streptoc.review)
(STREPTOCOCCAL INFECTIONS,
rheum.,review)

ZABŁOCKI B.

Podstawy chemii bakteryjnej (Foundations of bacteriological chemistry),
by B. Zabłocki. Reported in New Books (Nowe Książki), March 1, 1956.

ZABLOCKI, Bernard; KOTELKO, Krystyna; GOSCICKI, Janusz, (czesc immunologiczna)
oraz Leon Szykier (czesc kliniczna) Lodz, Al. Kosciuszki 52 m. 8.

Immunological studies in rheumatism with application of six new
antigenic simplexes isolated from streptococci. Polskie arch.
med. wewn. 26 no.5:759-769 1956.

1. Z Zakladu Mikrobiol. Szesczeglowej U.l. w Lodzi.
Kier.: prof. dr. med. B. Zablocki i Wojewodskiej Poradni
Przeciwrumat. w Lodzi Kier.: dr. med. L. Szykier.

(ARTHRITIS, RHEUMATOID, immunology,

hemagglut. by streptoc. antigens (Pol))

(ANTIGENS,

streptoc., hemagglut. in rheum. arthritis (Pol))

(STREPTOCOCCUS, immunology,

antigens, hemagglut. in rheum. arthritis (Pol))

ZABLOCKI, B.

SZYDLOWSKI, S.; HOLICKA, M.; ZABLOCKI, B.

Preparation of purified preparations of hyaluronic acid for titration of hyaluronidase. Acta microb. polon. 6 no.3:211-218 1957.

1. Z Katedry Mikrobiologii Szczegolowej Uniwersytetu Lodzkiego w Lodzi.
(HYALURONIC ACID, preparation of,
purified prep. for titration of hyaluronidase (Pol))
(HYALURONIDASE, determination,
titration with purified hyaluronic acid (Pol))

Zablocki, B.

ZABLOCKI, Bernard; ROLICKA, Maria; KOKOCINSKA, Irena

Comparative studies on synthesis of coagulase in free state and of coagulase bound by staphylococci. Med. dozw. mikrob. 9 no.4:331-338 1957.

1. Z Zakladu Mikrobiologii Szczegolowej Uniwersytetu Lodzkiego. Kierownik: prof. B. Zablocki.

(MICROCOCCUS PYOGENES,

coagulase, synthesis in bound & free states (Pol))

ZABLOCKI, Bernard; KOTELKO, Krystyna, GOSCICKI, Janusz, CZABAN, Wanda

Passive hemagglutination reactions with sera from convalescent children after rheumatic fever by using 6 new antigenic fractions isolated from streptococcus group A. *Pediat. polska* 33 no.2:165-170 Feb 58.

1. Z Zakladu Mikrobiologii Szczegolowej Uniwersytetu Lodzkiego
Kierownik: prof. dr B. Zablocki. Adres: Lodz, Al. Kosciuszko 52 m.8).

(RHEUMATIC FEVER, immmol

passive hemagglutination reaction with convalescent
serum using antigenic fractions from streptoco. A (Pol))

(HEMAGGLUTINATION.

passive hemagglutination with convalescent serum from
rheum. fever using antigenic fractions from streptoo.
A. (Pol))

SZYDLOWSKI, S.; ZAELOCKI, B.

Heterogenetic reactions of antistaphylococcal serum with polysaccharides isolated from plant and animal tissues. Bul Ac Pol biol 7 no.5:169-171 '59. (EEAI 9:7)

1. Department of Systematic Microbiology, Lodz University.
Presented by E.Mikulaszek.

(STAPHYLOCOCCUS)
(POLYSACCHARIDES)
(BOTANY)
(HISTOLOGY)

SEDLACZEK, L.; CZERNIAWSKI, E.; ZABLOCKI, B.

The specific protective effect of lipopolysaccharide-protein complexes isolated from *Escherichia coli* on the sensitivity of gram-positive bacteria to penicillin. *Bul Ac Pol biol* 7 no.5:173-176 '59. (EEAI 9:7)

1. Department of Systematic microbiology, Lodz University.
Presented by E.Mikulaszek.

(*ESCHERICHIA COLI*)
(PROTEINS)
(LIPOLYSACCHARIDES)
(BACTERIA)
(PENICILLIN)

ZABŁOCKI, B.; SEDLACZEK, L.; CZERNIAŃSKI, E.

The effect of lipid-polysaccharide-protein symplexes isolated by various methods from Escherichia coli on the penicillin-sensitivity of staphylococci. In English. Bul Ac Pol biol 8 no.9:519-522 '60. (KEAI 10:7)

1. Department of Microbiology, Lodz University. Presented by E. Mikulaszek.

(LIPIDES) (POLYSACCHARIDES) (PROTEINS)
(ESCHERICHIA COLI) (PENICILLIN) (STAPHYLOCOCCUS)

KOPELKO, Krystyna; SZYDLOWSKI, Stanislaw; ZABLOCKI, Bernard

Studies on phase-variability of *Shigella sonnei*. Communication I.
Med.dosw.mikrob. 12 no.1:53-59 '60.

1. Z Katedry Mikrobiologii Szczegolowej Uniwersytetu Lodzkiego
Kierownik: prof.dr B. Zablocki.
(SHIGELLA)

ZABLOCKI, Bernard

Role of the hyaluronidase-hyaluronic acid system in natural immunity. Postepy hig.med.dow. 14 no.5:463-474 '60.

1. Z Katedry Mikrobiologii Szczegolowej Uniwersytetu Lodzkiego.
(IMMUNITY)
(HYALURONIC ACID)
(HYALURONIDASE)

IZDEBSKA, Krystyna; GROMSKA, Włodawa; ZABŁOCKI, Bernard

Biological properties of *Staphylococcus aureus* cultivated on a synthetic medium with addition of heterogenetic polysaccharides as only source of carbon. Nauki matemat przyrod Lodz no.10:3-10 '61.

1. Department of Specific Microbiology, University, Lodz.

ZABLOCKI, B.; SKALBA, D.

Effect of denaturing action of ionizing radiation and ultra-sounds on the behaviour of gamma-globulins in the reaction with the rheumatoid factor. Bull. acad. Pol. sci. (Biol) 13 no.3: 115-120 '65.

1. Submitted November, 1964.

ZABLOCKI, Bernard; SEDLACZEK, Leon; CZERNIANSKI, Eugeniusz

Application of microcalorimetry to bioenergetic studies in
microbiology. Postępy mikrobiol 3 no.1:81-99 '64.

1. Department of Microbiology, University, Lodz.

ZABLOCKI, Bernard

Mechanism of antibody formation. Postepy mikrobiol 3 no.2:279-304

'64

ZABLOCKI, Bernard, prof. (Lodz)

Theoretical fundamentals of prophylactic vaccinations.
Zesz probl nauki Pol 23 9-60 '61.

ZABLOCKI, Bernard; KUKULSKA-GOSCICKA, Teresa; BEINAREK, Zofia;
KOZLOWSKI, Bronislaw

Frequency of the occurrence of staphylococcal infections in
patients as seen from one hospital ward for traumatic surgery.
Nauki matemat. przyrod. Lodz no. 15: 3-27 '63.

1. Katedra Mikrobiologii, Uniwersytet, Lodz, i Klinika
Chirurgii Urazowej i Ortopedii, Wojskowa Akademia Medyczna,
Lodz.

*

CZERNIAWSKI, E.; SEDLACZEK, L.; ZABLOCKI, B.

The heat balance in *Escherichia coli* cultures grown on synthetic media containing various carbohydrates. Bull. acad. Pol. sci. [Biol.] 13 no.4:291-293 '65.

The effect of glucose concentration on the energy balance in *Escherichia coli* cultures. Ibid.:295-299

1. Submitted February 3, 1965.

ZABLOCKI, Bernard; SZYDLOWSKI, Stanislaw; KOTLIK, Krystyna

Types of diphtheria bacilli occurring in the city of Lodz and their sensitivity to penicillin. Nauki matemat. przyrod. Lodz no.7:161-169 '60.

1. Katedra Mikrobiologii Szczegolowej, Uniwersytet, Lodz.

ZABLOCKI, Bernard; KUKULSKA-GOSCICKA, Teresa

Further studies on the frequency of Staphylococci strains resistant to antibiotics occurring isolated from patients and carriers. Nauki matemat. przyrod. Lodz no.7:183-189 '60.

1. Katedra Mikrobiologii Szczegolowej, Uniwersytet, Lodz.

ZABLOCKI, Bernard; CZERNIAWSKI, Eugeniusz; GOSCICKI, Janusz

Comparative studies on the level of natural antibodies
against the bacilli of Enterobacteriaceae. Nauki matem.
przyrod Lodz no.7:171-181 '60.

1. Katedra Mikrobiologii Szczegolowej, Uniwersytet, Lodz.

CZERNIAWSKI, E.; ZABLOCKI, B.

The course of thermogenesis in E.coli, S. typhi, and Staph.
aureus cultures in relation to the inoculum and lyophilization.
Bul Ac Pol biol 10 no.6:203-207 '62.

1. Department of Microbiology, University, Lodz. Presented by
E.Mikulaszek.

SEDLACZEK, L.; ZABLOCKI, B.

Relation between thermogenesis and bacterial mass increase. Bul
Ac Pol biol 10 no.6:209-214 '62.

1. Department of Microbiology, University, Lodz. Presented by
E.Mikulaszek.

ZABLOCKI, B.; CZERNIAŃSKI, E.

The effect of antibiotics on the shape of thermogenesis curves
of *E. coli* and *S. typhi* cultures. *Bul Ac Pol biol* 10 no.6:215-219
'62.

1. Department of Microbiology, University, Lodz. Presented by
H. Mikulaszek.

ZABLOCKI, Bernard; IAZNIEWSKI, Mikolaj; JAKUSZEWSKI, Bogdan;
GOSCICKI, Janusz; CZERNIAWSKI, Eugeniusz

Measurements of the caloric effects in bacteria cultures;
theoretical fundamentals, apparatus, and methods. Nauki
matem przyrod Lodz no.12:3-7 '62.

1. Katedra Mikrobiologii Szczegolowej i Katedra Chemii
Fizycznej, Uniwersytet, Lodz.

*

ZABLOCKI, Bernard; GROMSKA, Wieslawa; IZDEBSKA, Krystyna

Further research on substances isolated from plant and animal tissues reacting not specifically in precipitation tests with antibacterial sera. Nauki matemat. przyrod. Lodz no.12:9-19 '62.

1. Katedra Mikrobiologii Szczegolowej, Uniwersytet, Lodz.

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ZABLOCKI, Bernard; KOTELKO, Krystyna; SZDLOMSKI, Stanislaw

Further studies on the level and frequency of appearance of Salmonella and Shigella O agglutinins. Nauki matematyczne przyrod Lodz no. 26:11-18 '64.

1. Department of Microbiology, University, Lodz.

ZABLOCKI, Bernard; GOSWICKA, Teresa; RUTOWICZ, Mirosława; SZAPLANKA-KUJDOVICZ,
1958-12

Frequency of appearance of staphylococcal alfa-antitoxin in human serum.
Nauki matemat przyrod Lodz no.16:3-9 '64.

1. Department of Microbiology, University, Lodz.

ZABLOCKI, Jan

Some remarks on Boym and Jonston with reference to Boym's
"Flora Sinensis." Nauki matematyczne przyrod Torun no.3:127-137 '58.

1. Zaklad Botaniki Ogolnej, Uniwersytet im. M. Kopernika, Torun.

PTA ZABLOCKI, K

1403

031.187.1

Zablocki K. Principles of Designing Combustion Product Purification Equipment for Boiler Houses.

„Zasady projektowania urządzeń do oczyszczania spalin w kotłowniach parowych”, Energetyka. No. 7—8, 1951, pp. 222-230, 7 figs.

The necessity of eliminating dust from combustion products in boiler houses. Classification of impurities in combustion products. Specimen computations of ash balances. Means of purifying the combustion product. Types and principles of operation of dust collector equipment. Influence of the height of chimney stacks on dust precipitation. Rate of volatile ash precipitation according to height of chimney stacks and density of precipitates. Rate of dust precipitation. Permissible content of impurities in combustion products

ZABLOCKI, M.

629.114.2:631.372.45

2618
✓ Stodulski T., Zablocki M. Characteristics Required for a Combustion Engine for Agricultural Tractors.

„Pożądany przebieg charakterystyk silnika spalinowego do ciągni-
ka rolniczego”. Mechanizacja i Elektryfikacja Rolnictwa. No. 1, 1953,
pp. 34-40, 3 figs., 4 tabs.

Polish Technical Abst.

No. 1 1954

Mechanics, Electrotechnics, Power

A description of resistance encountered in ploughing and threshing with a tractor, together with an analysis of the changeability of elements composing these resistances. A survey of the usefulness of an engine for these operations in the light of torque elasticity required, actual power, index of number of revolutions, and characteristics of unit fuel consumption. The importance was proved of high elasticity and a low index of number of revolutions. However, taking into consideration maximum engine efficiency, it is more advantageous to introduce a low torque characteristic, making sure, by the use of a regulator, that variable resistances are overcome. The operational elasticity of the engine then increases and it is possible to prevent the engine running too rapidly.

ZABLOCKI, M.; SRODULSKI, T.

Desirable characteristics of an automobile carburetor. p. 74. (TECHNIKA
MOTORYZACYJNA, Vol. 4, No. 3, Mar. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec.
1954, Uncl.

ZABLOTYI, M.; SROBULSKI, T.

"Influence of Changing the Number of Rotations on the Performance of Automobile Motors", P. 226, (TECHNIKA MOTORYZACYJNA, Vol. 4, No. 8, August 1954, Warsaw, Poland)

EO: Monthly List of East European Accessions (FEAL), IC, Vol. 4, No. 3, March 1955, Uncl.

ZABLOCKI, Marian

SRODULSKI, Tadeusz (Mgr. Eng.) and ZABLOCKI, Marian (Mgr. Eng.): Gazniki Samochodowe
(Automobile Carburetors), Warsaw: State Technical Publications, 1956. 360 pp.
29 zl.

ZABLOCKI, M.

Technology of manufacturing from plastics. (conclusion) P. 75
MECHANIK. Warszawa (Stowarzyszenie Inzierow i technikow Polskich)
Vol. 28, no. 2, February 1956

SOURCE: EEAL IC Vol. 5, no. 7, July 1956

ZABLOCKI, Maciej

Ability to work. Pol. tyg. lek. 20 no.27:1017-1019 5 J1 '65.

1. Z II Kliniki ChoroB Wewnetrznych AM w Bialymstoku (Kierownik:
prof. dr. J. Chlebowski).

ZABLOCKI, Maciej

Treatment of pulmonary abscesses by transparietal injections of antibiotics into the lesion. Polski tygod. lek. 16 no. 12:442-445 20 Wr '61.

1. Z II Kliniki Chorob Wewnętrznych A.M. im. J. Marchlewskiego w Białymstoku; kierownik prof. dr med. J. Chlebowski.

(LUNG ABSCESS ther) (ANTIBIOTICS)

ZABLOCKI, Marian, dr inz.

Problem of power rating maintenance of a self-igniting engine
adapted to two-fuel drive by liquid and gas fuel. Gosp paliw
12 no. 5: 163-166 My. '64.

1. Department of Combustion Engines, Technical University,
Krakow.

ZABLOCKI, Marian, dr inż., adiunkt

Characteristics of the composition of the air-fuel mixture in
dual-fuel self-igniting engines. Przegl mech 22 no.21:649-653
10 N '63.

1. Katedra Silnikow Spalinowych, Politechnika, Krakow.

ZABLOCKI, Marian, dr. inz., adiunkt

KAWECKA-GRYCZOWA, Alodia; ZABLOCKI, Stefan; VOISE, Waldemar; STASIEWICZ,
Irena; ORLOWSKI, Boleslaw; PAZDUP, Jan; DOBRZYCKI, Jerzy;
BARYCZ, Henryk; SZPILCZYNSKI, Stanislaw; SKARZYNSKI, Boleslaw;
PALACZ, Ryszard; WOJCIK, Zbigniew; JEWSIEWICKI, Wladyslaw;
PILECKI, Jerzy; RAVETZ, J.R.

Book reviews. Kwart hist nauki i tech 7 no.1/2:147-219 '62.

ZABLOCKI, Wladyslaw

ZABLOCKI, Wladyslaw (Krakow, ul. Warynskiego 2 n.6)

Complication of Henle Browne plastic operation of the penis.
Polski przegl. chir. 26 no.4:337-338 Ap '54.

1. Z urologicznej kliniki Akademii Medycznej w Krakowie.
Kierownik: prof. dr St. Laskownicki.

(HYPOSPADIAS, surgery,

*compl., difficult removal of sutures)

ZABLOCKI, Władysław

LASKOWNICKI, Stanisław; ZABLOCKI, Władysław (Kraków, ul. Boł. Prusa
37 i ul. Waryńskiego 2, n.3)

Surgical treatment of diverticula of the bladder. Polski przegl.
chir. 26 no.5:429-443 Ky '54.

1. Z Urologicznej Kliniki Akademii Medycznej w Krakowie.
Kierownik: prof. dr St. Laskownicki.
(BLADDER, diverticula,
*surg.)

ZABLOCKI, Władysław

Diagnosis of various extraperitoneal tumors. Urol. polska 10:149-156
1956.

1. Z oddziału Chirurgicznego Centralnego Szpitala Klinicznego MSW
Ordynator: dr med. Edmund Wisniewski.
(ABDOMEN, neoplasms
diag. (Pol))

EXCERPTA MEDICA Sec.15 Vol.10/4 Chest Diseases Apr57

1075. ZABŁOCKI W. *Częściowe wycięcie nerki gruźliczej. Partial nephrectomy in renal tb GRUŁICA 1956, 24/9 (955-963) Tables 1 illus 10

Three factors considerably influenced the management of renal tb: antimicrobial drugs; knowledge of blood vessels of the kidney; and improvement of diagnostic methods. The antimicrobial drugs have made it possible to remove only the affected part of the kidney, while the healthy parenchyma is left. The improvement of X-ray diagnosis and interpretation of its results permit to make a detailed diagnosis and to decide upon the type and method of operation. A detailed knowledge of the anatomy of the kidney permits to remove safely the affected part of the renal parenchyma. These 3 factors have changed the method of treatment of renal tb. The indications for total nephrectomy decreased, while those for partial nephrectomy increased. Details of the technique of partial nephrectomy are described.

(XV, 9)

ZABLOCKI, Wladyslaw

On the problem of the treatment of bladder exstrophy. Polaki przegl.
chir. 33 no.11a:1357-1359 '61.

1. Z Oddzialu Chirurgii Dzieciacej Centr. Szpitala Klinicznego MSW
w Warszawie Ordynator: dr T. Badziak.
(BLADDER abnorm)

ZABLOCKI, Wladyslaw

Malacoplakia. Polski przegl. chir. 33 no.11a:1477-1481 '61.

1. Z Oddzialu Chirurgicznego Centralnego Szpitala Klinicznego MSW
w Warszawie Ordynator: dr E. Wisniewski
(BLADDER dis)

ZABLOCKI, Zygmunt, mgr inż.

High-power semiconductor diodes. Przegl elektrotechn 39
no.11:439-444 N '63.

3718. FIRST RESULTS OF TECHNICAL RE-EQUIPMENT OF MINES IN STALINUGOL COMBINE. Zablodskiy, G.P. (Ugol (Coal), 1949, (6), 4-7). Some figures are given for increases in output and in the degree of mechanization. (L).

ZABLODSKIY, G.P.

For further technological development and working safety in industry.
Bez.truda v prom. 6 no.1:1-3 Ja '62. (MIRA 15:1)

1. Predsedatel' Gosgortekhnadzora RSFSR.
(Mining engineering) (Industrial safety)

ZABLODSKIY, G.P.

Bright outlook for communist development. Bezop. truda v prom.
2 no.12:1-3 D '58. (MIRA 11:12)

1. Predsedatel' Gosortekhnadzora RSFSR.
(Industrial safety)

ZABLOUSKIY, O.P.

Further improvement in industrial safety. Bezop.truda v
prom. 4 no.1:1-3 Ja '60. (MIRA 13:5)

1. Predsedatel' Gosgortekhnadzora RSFSR.
(Industrial safety)

ZABLONSKIY, G.P., Geroy Sotsialisticheskogo Truda

Effect of the new equipment and techniques on the decrease of industrial traumatism. Ugol' 37 no.6:48-51 Je '62. (MIRA 15:7)

1. Predsedatel' Gosudarstvennogo komiteta pri Sovete Ministrov RSFSR po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornom nadzoru.

(COAL MINES AND MINING—ACCIDENTS)
(COAL MINERS—DISEASES AND HYGIENE)

ZABLODSKIY, G.P.

KUZ'MICH, A.S., redaktor; BARABANOVA, F.A., redaktor; BOHROV, I.V., redaktor;
VLADIMIRSKIY, V.V., redaktor; GRAFOV, L.Ye., redaktor; DOZIMIN, A.V.,
redaktor; YERASHKO, I.S., redaktor; ~~ZABLODSKIY, G.P.~~, redaktor; ZADE-
MIDKO, A.N., redaktor; ZAYTSEV, A.P., redaktor; ZASADYCH, B.I., redak-
tor; KAGAN, F.Ya., redaktor; KRASHNIKOVSKIY, G.V., redaktor; KRIVONOGOV,
K.K., redaktor; LALAYANTS, A.M., redaktor; MELAMED, Z.H., redaktor;
MINDELI, E.O., redaktor; MOGILEVSKIY, N.M., redaktor; OSTROVSKIY, S.B.,
redaktor; POPOV, T.T., redaktor; SKOCHINSKIY, A.A., redaktor; SKURAT,
V.K., redaktor; SOBOLEV, G.G., redaktor; STUGAREV, A.S., redaktor;
SUMCHENKO, V.A., redaktor; TERPIGOREV, A.M., redaktor; SIEVYAKOV, L.D.,
redaktor; SHELKOV, A.A., redaktor; ANDREYEV, G.G., tekhnicheskiiy redaktor

[Safety regulations in coal and shale mines] Pravila bezopasnosti v
ugol'nykh i slantsevykh shakhtakh. Moskva, Ugletekhizdat, 1953. 226 p.
(MIRA 8:4)

1. Russia (1923- U.S.S.R.) Ministerstvo ugol'noy promyshlennosti.
(Coal mines and mining--Safety measures)

ZABLODSKIY, G.P.
ZABLODSKIY, G.P., gornyy inzhener.

New mining systems. Part 6. Ugol' 32 no.6:5-8 Je '57. (MIRA 10:7)
(Coal mines and mining)

BRATCHENKO, B.F., red.; ZABLODSKIY, G.P., red.; BARANOV, F.A., red.;
BABOKIN, I.A., red.; BARANOV, A.I., red.; VYSOTSKIY, P.I., red.;
DEKHMAYLO, P.G., red.; ZASADYCH, B.P., red.; ZVENIGORODSKIY, G.Z., red.;
KAGAN, F.Ya., red.; LEVITSKIY, Ya.B., red.; LOTAREV, N.I., red.;
MARCHENKO, M.G., red.; MITROFANOV, M.B., red.; PAKHALOK, I.F., red.;
SHELKOV, A.A., red.; RYKOV, N.A., red. izd-va; IL'INSKAYA, G.M.,
tekhn. red.

[Safety rules for working in briquetting and preparation plants]
Pravila bezopasnosti pri vedenii rabot na briketnykh i obogatitel'-
nykh fabrikakh. Izd.2. Obiazatel'ny dlia vseh organizatsii i
predpriatii agol'noi promyshlennosti. Moskva, Ugletekhnizdat, 1958.
62 p. (MIRA 11:7)

1. Russia (1923- U.S.S.R.) Komitet po nadzoru za bezopasnym
vedeniyem rabot v promyshlennosti i gornomu nadzoru.
(Coal preparation—Safety measures) (Briquets (Fuel))

ZAPLODSKIY, G.P.

Further development of safety engineering in industry and construction.
Bezop.truda v prom. 5 no.1:1-3 Ja '61. (MIRA 14:2)

1. Predsedatel' Gosgortekhnadzora RSFSR.
(Industrial safety)

MAK, S. L.: STAROSEL'SKIY, A. A.: ZABLONSKIY, K. I.

Bearings (Machinery)

Breakdown of one bearing joint. S. L. Mak, A. A. Starosel'skiy, K. I. Zablonskiy. Vest.
mash. 31 No. 10, 1951.

9. Monthly List of Russian Accessions, Library of Congress, September, 1952, ~~1953~~. Unclassified.

BATURIN, A.T. [author]; ZABLONSKIY, K.I., kandidat tekhnicheskikh nauk, dotsent;
POZDNYAKOV, S.N., dotsent [reviewers].

"Machine parts." A.T. Baturin. Reviewed by K.I. Zablonskii, S.N. Pozdniskov.
Vest.mash. 33 no.7:106-108 J1 '53. (MLHA 6:8)

1. Odesskiy politekhnicheskii institut (for Zablonskiy). 2. Moskovskoye
vysshoye tekhnicheskoye uchilishche im. Baumena (for Pozdnyakov).
(Mechanical engineering) (Baturin, A.T.)

ZABLONSKIY, K. I.

USSR/Engineering - Reduction gears

Card 1/1 Pub. 128 - 8/32

Authors : Zablonskiy, K. I.

Title : From the experiment on exploiting heavy reducers

Periodical : Vest. mash. 11, 32-34, Nov 1954

Abstract : The causes of damage to heavy reduction gears are described, and formulas for calculating the required gear load factors are given. Illustrations; drawings; diagram.

Institution : ...

Submitted : ...

Zablonskiy, K. I.

USSR/ Miscellaneous - Book review

Card 1/1 Pub. 128 - 27/31

Authors : Ariatov, I. A.; Boginskiy, M. N., Engineers; Zablonskiy, K. I.; and
Anisimov, V. M. Eng. Tech. Sci.

Title : Critique and bibliography

Periodical : Vest. mash. 35/5, 84-88, May 1955

Abstract : Critical review is given on the following technical books: "Cost of
Production in Machine Construction Industry," by V. I. Ganshtak; "Design
and Manufacturing of Gear and Worm Gear Transmissions and Reducing Gear," by
Ilyenko, M. S., Grebenyuk, A. I., and Nikol'skiy, D. M. Table.

Institution :

Submitted :

DOBROVOL'SKIY, Viktor Afanas'yevich, doktor tekhnicheskikh nauk, nauchnyy
deyatel' nauki i tekhniki; ZABLONSKIY, Konstantin Ivanovich, MAK,
Solomon L'vovich; RADCHIK, Aleksandr Semenovich; ERLIKH, Leonar'
Borisovich; PINIGIN, S.V., doktor tekhnicheskikh nauk, professor,
retsensent; AGHERKAN, N.S., doktor tekhnicheskikh nauk, professor,
otvetstvennyy redaktor; ZALOGIN, N.S., redaktor izdatel'stva;
RUDENSKIY, Ya.V., tekhnicheskiy redaktor

[Machine parts] Detali mashin. Kiev, Gos. nauchno-tekhn. ts. 1-i vo
mashinostroit. lit-ry, 1956. 618 p. (MIRA 10:2)

1. Odesskiy politekhnicheskii institut (for Dobrovol'skiy, Zablonskiy,
Mak, Radchik, Erlikh)
(Machinery--Design)

ZABLONSKIY, KONSTANTIN IVANOVICH

DOBROVOL'SKIY, Viktor Afanas'yevich, sasluzhennyy deyatel' nauki i tekhniki,
doktor tekhnicheskikh nauk, professor; ZABLONSKIY, Konstantin
Ivanovich, MAX, Solomon L'vovich; RADCHIK, Aleksandr Semenovich;
ERLIKH, Lazar' Borisovich; PINIGIN, S.V., doktor tekhnicheskikh nauk,
professor, retsenzent; ACHERKAN, N.S., doktor tekhnicheskikh nauk,
professor, otvetstvennyy redaktor; ZALOGIN, M.S., redaktor izdatel'-
stva; RUDENSKIY, Ya.V., tekhnicheskyy redaktor

[Machine parts] Detali mashin. Izd. 2-oe, ispr. Kiev, (os. nauchno-
tekhn. izd-vo mashinostroit. lit-ry, 1957. 618 p. (MIRA 10:8)
(Machinery--Design)

ZABLONSKIY, K.I.

PHASE I BOOK EXPLOITATION 817

Zablonskiy, Konstantin Ivanovich

Raschet i konstruirovaniye zubchatykh peredach (Calculation and Design of Tooth Gears) Kiyev, Mashgiz, 1958. 171 p. (Series: Biblioteka konstruktora) 20,000 copies printed.

Sponsoring Agency: Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Kiyevskaya oblastnaya organizatsiya.

Reviewer: Farber, A.M., Candidate of Technical Sciences, Docent; Ed.: Starosel'skiy, A.A., Candidate of Technical Sciences, Docent; Ed. of Publishing House: Leuta, V.I., Engineer; Tech. Ed.: Rudenskiy, Ya., V.; Managing Ed. of the Ukrainian Branch of Mashgiz: Serdyuk, V.K., Engineer.

PURPOSE: The book is intended for technicians and designers in the field of machine building.

Card 1/5

Calculation and Design of Tooth Gears

817

COVERAGE: The book provides general information on tooth gear devices with spur and bevel gears and fundamentals of geometrical solution of involute gearing systems, strength calculations of working surfaces and design of teeth for bending. Concise information on materials used for gears manufacture is given and designs of various assemblies and gearing details are presented. There are 29 references, of which 26 are Soviet, 2 German and 1 English.

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AVAILABLE: Library of Congress

GO/ksv
11-16-58

Card 5/5

ZABLONSKIY, K.I.

3-1-32/32

AUTHOR: Kukibnyy, A.A., Dotsent, Candidate of Technical Sciences
 TITLE: Review of a Textbook on Machine Parts (Obsuzhdeniye uchebnika po detalyam mashin)
 PERIODICAL: Vestnik Vysshey Shkoly, 1958, # 1, pp 94-96 (USSR)

ABSTRACT: The textbook in question was compiled by V.A. Dobrovolskiy, K.I. Zablonskiy, S.L. Mak, A.S. Radchik and L.B. Erlikh.

In October 1957, the Ministry of Higher Education of the Ukrainian SSR convened a conference of instructors and collaborators of the Kiyev vtuzes at which the textbook "Machine Parts" was discussed. The assembly dealt with the textbook's structure, method of exposition of the material contained therein, the conformity of its contents with the curriculum, and a number of other problems.

Dotsent S.K. Dyachenko of the Khar'kov Polytechnic Institute (Khar'kovskiy politekhnicheskii institut) pointed out that the student must be given 3 books on machine parts - a textbook, an aid for composing students' projects in the course of education, and an atlas of designs. The textbook should contain material that somewhat exceeds the one dis-

Card 1/3

Review of a Textbook on Machine Parts

3-1-32/32

cussed during the lecturing course, and comprise only the standard designs of machine parts, the computations should be simple and on a level with modern technical knowledge. The book under review meets all these requirements.

The aid for composing students' projects should be based on the textbook, and supplement it substantially, while the atlas on machine parts should contain drawings and schemes of modern designs, as well as an elaboration of the elements of construction.

The suggestions of dotsent S.K. Dyachenko in regard to the textbook and aids were unanimously approved by the conference participants.

Others participating in the discussions were: dotsent Ya.I. Yesipenko (Kiyev Technological Institute of Light Industry - Kiyevskiy tekhnologicheskij institut legkoy promyshlennosti), dotsent K.A. Bortnovskiy (Kiyev Technological Institute of Food Industry - Kiyevskiy tekhnologicheskij institut pishchevoy promyshlennosti), dotsent V.L. Sakhnenko (Kiyev Polytechnic Institute - Kiyevskiy politekhnicheskij institut), Ye.B. Vitkup (Kiyev Automobile and Road Institute - Kiyevskiy avtomobil'no-dorozhnyy institut), dotsent F.P. Bondarovskiy (Ukrainian Agricultural Academy - Ukrainskaya

Card 2/3

Review of a Textbook on Machine Parts

3-1-32/32

sel'skokhozyaystvennaya akademiya), and professor M.S. Komarov (L'vov Polytechnic Institute - L'vovskiy politekhnicheskii institut).

The speakers expressed their willingness to participate in compiling a textbook on "Machine Parts" of high quality and to discuss the remarks made in respect of the present book with its authors. Three of the authors, who were present at the meeting, admitted the correctness of the criticism.

There is 1 Russian reference.

ASSOCIATION: Kiyev Technological Institute of Food Industry
(Kiyevskiy tekhnologicheskii institut pishchevoy promyshlennosti)

AVAILABLE: Library of Congress

Card 3/3

32-24-455/67

AUTHORS:

Fedorov, G.D., Zablonskiy, K.I.

TITLE:

A Stand for Testing Pneumatic Machines and Auxiliary Shaft
(Escape) Winches (Standy dlya ispytaniya pnevmodvigately i
vspomogatel'nykh shakhtnykh letadok)

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 4. pp. 494-495 (USSR)

ABSTRACT:

For the purpose of testing pneumatic machines stress is exercised by means of a generator with electric braking, control is carried out by means of a rheostat, and capacity is determined by an ammeter and voltmeter. The degree of efficiency can be determined by periodic calibration of the generator. A mechanical consumption gauge of the type DP-280 determines air consumption, and a differential manometer DP-60 is used for periodical control. The resistance to wear of the rotor, the modifications of the degree of efficiency, and investigations of noise can be carried out. Also two types of stands for the testing of auxiliary shaft (escape) winches were developed in laboratories. The more simple of the two consists of a winch fastened upon the fundament, upon which a device used for exercising stress by means of a brake shoe is mounted; the latter retains a constant magnitude of stress. Stress

Card 1/2

**A Stand for Testing Pneumatic Machines and
Auxiliary Shaft (Escape) Winches**

32-24-4-55/67

is controlled by means of a wattmeter with an automatic recording device. It is possible to test winches of the type LME. For the purpose of testing winches under working conditions a stand is used upon which there are two winches of the type MEL: the one serves as a test object, the other, in connection with the generator, as a stress component of the stand. By regulating the number of revolutions performed by the machine it is possible to change the number of cycles per minute. The latter are recorded by a counter, while for the determination of capacity and stress an ammeter and voltmeter are used. The stress capacity of the winch MELD - 4.5 and the durability of the modernized type MELM - 4.5 were increased. A stand for the investigation of the gears of winches is also described.

ASSOCIATION:

Odesskiy politekhnicheskiy institut i Odesskiy mashinostroitel'nyy zavod "Krasnaya Gvardiya" (Odessa Polytechnic Institute, and Odessa Machine Building Plant "Krasnaya Gvardiya")

Card 2/2

1. Pneumatic machinery--Test methods 2. Pneumatic machinery--Testing equipment 3. Hoists--Test methods 4. Hoists--Testing equipment

25(2)

PHASE I BOOK EXPLOITATION SOV/3362

Zablonskiy, Konstantin Ivanovich, and G.K. Futoryanskiy.

Ekspperimental'noye issledovaniye treniya na zub'yakh pryamozubnykh koles; v pomoshch' inzheneram-konstruktoram mashinostroitel'nykh zavodov (Experimental Study of Friction In Straight Tooth Gears; A Manual For Engineers In Machinery Manufacturing Plants) Odessa, 1958. 15 p. 1,000 copies printed.

Sponsoring Agency: Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Odesskoye oblastnoye pravleniye, and Odesskiy dom tekhniki.

No contributors mentioned.

PURPOSE: This booklet is intended for designers in machinery manufacturing plants.

COVERAGE: This experimental work was carried out at the Department of Applied Mechanics of the Odesskiy Politekhnikheskiy institut (Odessa Polytechnical Institute) by means of instruments and

Card 1/2

Experimental Study (Cont.)

SOV/1362

equipment constructed at the same institute. The booklet deals with the experimental investigation of friction on straight teeth. Experimental equipment for determination of the coefficient of slippage between teeth is described. Determination of vertical and horizontal components of tooth pressure is discussed. The authors also give diagrams showing curves of maximum tooth deformation and coefficient of slippage in relation to the circumferential velocity. There are 7 references: 5 Soviet, 1 English, and 1 German.

TABLE OF CONTENTS: None given.

AVAILABLE: Library of Congress (TJ 189 .23)

Card 2/2

VK/jb
4-14-60

ZABLONSKY, K. I.

25(1) PHASE I BOOK EXPLANATION 507/2931
Konferentsiya po voprosam rascheta, konstruirovaniya i issledovaniya
submatyach poruchak i poruchak glikery svyaz'yu. Odessa, 1957
Raschet, konstruirovaniye i issledovaniye poruchakov i trudy
konferentsii. Vyp. 3 (Design, Construction, and Analysis of
Transmissions; Transmissions of a Conference on Problems in
Design, Construction, and Analysis of Gears and Flexible
Transmissions, No. 3) / Odessa: Izd. Odesskogo politekh.
in-sta, 1959. 124 p. 3,000 copies printed.

Sponsoring Agencies: Odesskiy politekhnicheskiy institut, and
Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy
promyshlennosti. Odesskoye obshchestvo prevladya.

Ed.: I. P. Nikiforov, Engineer; Editorial Board: L. S. Borovitch,
Candidate of Technical Sciences; M. S. Belyayev, Engineer;
M. P. Gulya, Candidate of Technical Sciences; K. I. Zablonitskiy,
(M. P. Gulya), Candidate of Technical Sciences; P. S. Zak,
Candidate of Technical Sciences; Ya. O. Kist'yan, Candidate of
Technical Sciences; V. N. Kudryavtsev, Doctor of Technical
Sciences; V. P. Mel'tsev, Candidate of Technical Sciences;
N. S. Polotskiy, Candidate of Technical Sciences; and
L. B. Erikh, Candidate of Technical Sciences; Tech. Ed.:
A. B. Komarsarenko.

PURPOSE: This book is intended for design engineers in the
machine-building and automotive industries, particularly gear
designers.

COVERAGE: The technical papers contained in this book were
originally presented at a conference held in Odessa in 1957. A number of papers deal with the causes of
failure in modern gear drives under such severe service
conditions as selfing and jamming. To determine these causes
a study was made of the wear resistance of contact surfaces
and the rigidity of gear teeth under load. Various gear drives
and systems of engagement, including the Hooke-type gears,
which are claimed to have many superior characteristics, and the
double-enveloping type of worm gear drive are compared. A
study is made of the rigidity of gear drives, particularly
the rigidity of splined gear-shaft joints. A number of gear-
testing methods and devices are also listed. No personnel
cited.

1. Gulya, M. P. Load-bearing capacity of a gear system by
the method of the experimental determination of the rigidity of
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7. Tatarskiy, V. G. Design of teeth for the H. L. Hooke
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8. Tafels, B. S. Relationship between load distribution in a splined
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9. Orlov, G. P. Maximum value of the coefficient of overlap in
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ZABLONSKIY, K.I.

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Detali mashin (Machine Elements) 3rd ed., rev. and enl. Kiev, Mashgiz, 1959, 581 p. 100,000 copies printed.

Reviewer: S.V. Pinegin, Doctor of Technical Sciences, Professor; Resp. Ed.: N. S. Acherkan, Doctor of Technical Sciences, Professor; Ed.: N.S. Zalogin; Chief Ed. (Southern Division, Mashgiz): V.K. Serdyuk, Engineer.

PURPOSE: This textbook is intended for students of institutions of higher technical education specializing in machinery construction and mechanical engineering.

COVERAGE: This is a textbook for the course, Machine Elements. It is a third edition, revised and enlarged. Design problems and basic theory are emphasized. Machine parts dealt with include joints, transmissions, axles, shafts, bearings, couplings, clutches, springs, and housings. Recently developed designs of machine parts and new methods of calculation have been added. Chapters dealing with material offered in other courses have been abridged or deleted. The authors thank the responsible editor for

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suggestions. References follow each chapter.

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